

# EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"5822153".pn. or "20010043446"	US-PGPUB; USPAT	ADJ	OFF	2007/02/12 12:03
L2	151918	(dielectric or insulat\$6 or alumina or "al.sub.2" adj "o.sub.3" or "al.sub.2o.sub.3" or "al.sub.2-o.sub.3" or Al2O3) near4 (slider or substrate)	FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/02/12 12:25
L3	112708	Minislider\$1 or microslider\$1 or nanoslider\$1 or picoslider\$1 or slider\$1 or ((air or aerodynamic\$6 or hydrodynamic\$6 or float\$3 or fly\$3 or flies or aero adj dynamic\$6 or hydro adj dynamic\$6 or ABS or levitat\$5) near5 (head or transduc\$ or read adj write)) or (g11b005/60 or g11b021/21 or g11b017/32).ipc.	FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/02/12 12:10
L4	3211707	(tribo\$ or breakdown\$1 or break adj down\$1 or discharg\$4 or electrostatic\$6 or static\$ or short\$3 or ESD or potential or voltage or overvoltage\$1 or overcurrent\$1 or EOS or electric\$3 adj2 overstress\$3 or electro-static\$ or electro adj static or pinhole\$1 or pin adj hole\$1 or charge\$1 near3 buildup or charge\$1 near3 build adj up or antistatic\$5 or anti adj static\$5)	FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/02/12 12:26
L5	1090085	(spin adj bulb or spin adj bubble or ((read\$3 or reproduc\$3) near2 (element\$1 or device\$1)) or mr or DOMR or mre or magneto adj2 (resistiv\$3 or resistance\$1) or magnetoresist\$5 or amr or magnetic\$4 adj2 (resistiv\$3 or resistance\$1) or SVMR or TuMR\$1 or CMR\$1 or GMR\$1 or spin adj2 valve\$1 or svmr\$1 or tjmr\$1 or tmj\$1 or tmr\$1 or mram\$1 or magnetic adj2 (memories or memory) or magnetic adj random adj access adj memor\$3 or DSV or TJM or macro adj magnetoresist\$5 or macromagnetoresist\$5 or piggyback or ((composite or combination or merged) adj4 head\$1)) or g11b005/39.ipc. or g11b005/33.ipc. or g11b005/127.ipc. or read\$3	FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/02/12 12:11
L6	27	2 and 3 and 4 and 5	FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/02/12 12:11

# EAST Search History

L7	188457	(dielectric or insulat\$6 or alumina or "al.sub.2" adj "o.sub.3" or "al.sub.2o.sub.3" or "al.sub.2-o.sub.3" or Al2O3) near4 (slider or substrate)	US-PGPUB; USPAT	ADJ	ON	2007/02/12 12:25
L8	66279	(spin adj bulb or spin adj bubble or ((read\$3 or reproduc\$3) near2 (element or device\$1)) or mr or DOMR or mre or magneto adj2 (resistiv\$3 or resistance\$1) or magnetoresist\$5 or amr or magnetic\$4 adj2 (resistiv\$3 or resistance\$1) or SFSV or SVMR or TuMR\$1 or CMR\$1 or GMR\$1 or spin adj2 valve\$1 or svmr\$1 or tjmr\$1 or tmj\$1 or tmr\$1 or mram\$1 or magnetic adj2 memor\$3 or magnetic adj random adj access adj memor\$3 or DSV or TJM or MTJ or macro adj magnetoresist\$5 or macromagnetoresist\$5 or piggyback or ((composite or combination or merged) adj4 head\$1)).ti,ab,clm. or "360/113" or 360/313-327.33.ccls. or 338/32\$2.ccls. or 324/207.21.ccls. or 324/252.ccls. or 365/171.ccls. or 365/173.ccls. or 428/811-811.5.ccls. or 148/108.ccls.	US-PGPUB; USPAT	ADJ	ON	2007/02/12 12:26
L9	18975	(Minislider\$1 or microslider\$1 or nanoslider\$1 or picoslider\$1 or slider\$1 or ((air or aerodynamic\$6 or hydrodynamic\$6 or float\$3 or fly\$3 or flies or aero adj dynamic\$6 or hydro adj dynamic\$6 or ABS or levitat\$5) near5 (head or transduc\$ or read adj write))).ti,ab. or "360/103" or 360/234.3-237.1.ccls. or "g11b005/60" or "g11b021/21" or "g11b017/32" or "g11b05/60" or "g11b21/21" or "g11b17/32" or "g11b5/60"	US-PGPUB; USPAT	ADJ	ON	2007/02/12 12:26
L10	910621	((tribo\$ or breakdown\$1 or break adj down\$1 or discharg\$4 or electrostatic\$6 or static\$ or short\$3 or ESD or potential or voltage or overvoltage\$1 or overcurrent\$1 or EOS or electric\$3 adj2 overstress\$3 or electro-static\$ or electro adj static or pinhole\$1 or pin adj hole\$1 or charge\$1 near3 buildup or charge\$1 near3 build adj up or antistatic\$5 or anti adj static\$5)).ti,ab,clm.	US-PGPUB; USPAT	ADJ	ON	2007/02/12 12:27
L11	79	7 and 8 and 9 and 10	US-PGPUB; USPAT	ADJ	ON	2007/02/12 12:27

## EAST Search History

L12	65	@ad<="20040308" and 11	US-PGPUB; USPAT	ADJ	ON	2007/02/12 12:28
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